



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

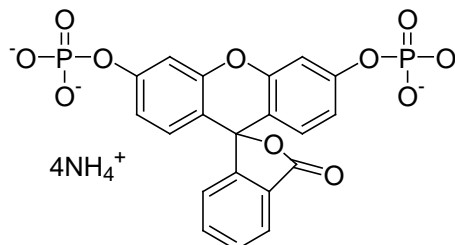
F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** **FDP** (fluorescein diphosphate, tetraammonium salt)**CATALOG NUMBER:** **10030****MOLECULAR INFORMATION:**  $C_{20}H_{26}N_4O_{11}P_2$   
Mwt: 560.39  
[217305-49-2]**PROPERTIES:**

<b>Color &amp; Form</b>	Off-white solid
<b>Purity</b>	≥ 95% by HPLC
<b>Solubility</b>	Soluble in buffer (pH 7-8)
<b>Absorption</b>	272nm (FDP)/490nm (fluorescein)
<b>Emission</b>	N/A (FDP)/514nm (fluorescein)
<b>Extinction Coefficient</b>	5300 (FDP)/90,000 (fluorescein)

**STORAGE AND HANDLING:**

Store desiccated at -20°C upon receipt. Protect from light, especially in solution.

**APPLICATION:**

FDP is the most sensitive fluorogenic alkaline phosphatase substrate.<sup>1</sup> It is also an excellent substrate for protein tyrosine phosphatase (PTPase) and thus the substrate of choice in the high throughput screening (HTS) for PTPase inhibitor. FDP itself is colorless, but the end product of the enzymatic reaction is fluorescein, which is highly green fluorescent.

Ref.: 1) *Appl Environ Microbiol* **64**, 1526 (1998); 2) *Biol Res* **27**, 241 (1994); 3) *Anal Biochem* **285**, 58 (2000); 4) *J Biomol Screen* **4**, 327 (1999); 5) *Proc Natl Acad Sci U S A* **93**, 3068 (1996).

**TOXICITY:**

Unknown

**FIRST AID:**

Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

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